



A LUNCHEON for Mrs. Carlyn H. Wohl (left) at Jewish Hospital was the setting for this picture which was taken two weeks before the death of Milton Frank (seated right). Others in attendance were (standing from left) Edward B. Greensfelder, vice-president; David A. Gee, executive director; Dr. Stanford Wessler, physician-in-chief; Edward F. Schweich, vice-president; and Joseph F. Ruwitch, president of the board.

Board Elects Mrs. Wohl to Fill Vacancy

Joseph F. Ruwitch, president, has announced the election of Mrs. Carlyn H. Wohl to the hospital board of directors. She will fill the vacancy left by the death of Milton Frank, former chairman of the board of Wohl Shoe Company.

"I'm delighted," said Mrs. Wohl during a recent interview, "and I will do everything I can to help."

She is the widow of the late David P. Wohl, founder of Wohl Shoe Company and noted St. Louis philanthropist. Mr. Wohl also established the Wohl Foundation, which has contributed generously to Jewish Hospital, as well as other civic, charitable, and educational institutions.

PHILOSOPHY OF GIVING

"I learned about the philosophy of giving from Mr. Wohl," said Mrs. Wohl. "He was born in St. Louis, the youngest of 11 children. His business was started on a small scale, and he worked his way up. After he became successful, he wanted to give something back to the city in which he established his business; he wanted to help the sick and the poor."



MRS. CARLYN WOHL

The Wohl Foundation first started by creating recreational centers in the city, and it continues to do so today. Mrs. Wohl serves on the board of the Jewish Community Centers Association among many other Jewish and civic organizations. One of her favorite charities is Dismas House, in which Mr. Wohl took a great personal interest.

ONLY IN AMERICA

Mrs. Wohl feels that only in America can a man establish a small business, gain wealth, and in turn, donate much of this wealth to his fellow man.

Mrs. Wohl, born Carlyn Hartman, grew up in Chillicothe, Missouri. She has two surviving daughters, Mrs. Paul Rothchild and Mrs. Richard Marcus of Winnetka, Ill. She has seven grandchildren.

Research Program

DR. WESSLER AWARDED W. U. RESEARCH GRANT

The Jewish Hospital research program will benefit from a five-year Public Health Service grant awarded to Dr. Stanford Wessler physician-in-chief, and professor of medicine at Washington University School of Medicine.

The grant totaling \$320,000 was received through Washington University for work to be carried out at Jewish Hospital on the role of stasis and lipids in venous thrombosis.

(See Article on Page 6.)

In connection with his research work, Dr. Wessler has been invited to speak at the International Symposium on Thrombosis and Embolism at Basle, Switzerland, August 29 - September 1. At the symposium, sponsored by the Department of Medicine, University of Basle, in collaboration with the International Committee on Haemostasis and Thrombosis, he will speak on "Experimental Coagulation Thrombus."

He will also speak at the 34th Annual Fall Symposium of the Los Angeles County Heart Association on "An Approach to the Problem of Peripheral Arterial Embolism" and "Thromboangiitis Obliterans."

Recently Dr. Wessler spoke in New York at a joint program of the American College of Cardiology and the American Heart Association with the Section of Internal Medicine of the American Medical Association. His topic was "The Pharmacologic Approach to Pulmonary Embolism."

He also served as the May consultant for the *Medical Tribune*. This is a feature of the publication in which a doctor answers questions sent from other doctors throughout the country.

Hospital Families

YALEM FAMILY GIFT TO BUILD RESEARCH CENTER

(The following story is one of a series in which 216 will feature individuals or families who have influenced the hospital's development through the years. Without their continuing interest, guidance and support, Jewish Hospital could not have achieved its present high standard programs of patient care, research and education.)

Shortly after the turn of the century, Louis Yalem, a St. Louis businessman, encouraged his four sons to enter professional fields.

Three responded to this challenge and entered professional schools, one to become a doctor and two, dentists. Two were satisfied with their chosen professions, but the third, Charles H., had other aspirations.

After graduating from St. Louis University in 1914 in dentistry, Charles practiced for four years. His manual dexterity as a dentist served as a natural transition to a new interest . . . that of fixing cars. In 1918, he went into the motor car business.

In the cash and carry economy of the day, he soon realized that people would buy more cars if they had a way to finance them. At that time, there was no established financing on automobiles.

AETNA SOUNDED "CRISP"

From mouths to motor cars to money, Charles H. Yalem launched his new career as president of the Yalem Finance Company. Later, the name was changed to "Aetna, because it had a nice crisp sound to it."

By 1960, Aetna Finance Company had become the largest family owned finance company in the United States, and its philanthropic president had donated over \$3,000,000 to universities, youth centers, art, the center for the aged, and The Jewish Hospital of St. Louis.

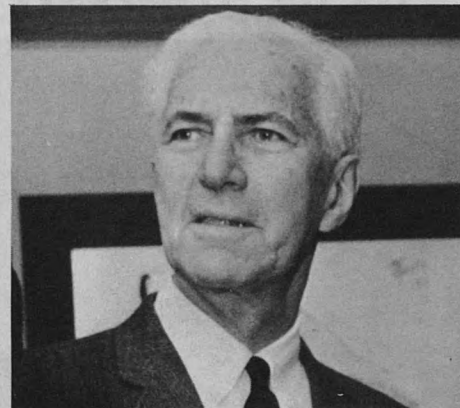
In January 1964, he made another outstanding contribution to Jewish Hospital . . . a gift of \$1,000,000 to build a modern nine story research center which is scheduled to be dedicated in 1966 as the Charles and Florence Yalem Research Building.

Elected to the hospital board of directors in 1963, he was recently elevated to Life Membership. His son, Richard L. was elected to the board to fill the two year vacancy left by his father.

A BETTER WORLD

As a man of philosophy as well as action, he "wants the world to be better by his being here."

"The good of giving," he said, "should be to lift others from a position of weakness and inferiority and restore them to a position of dignity and strength. I want to encourage others to give as I have been able to do; to foster the relationship which exists among people of all races."



CHARLES H. YALEM

"I find," he continued, "that there is a great tendency among people to give to their own . . . whether it be race or religion. I feel that it's important for each of us to expand our sphere of giving. That's why I have just donated \$125,000 to the Page Park Branch of the YMCA. The gift will be used for a pool to be located in an area utilized by some 70,000 people, a predominately negro area. It's very important for these people to have a swimming pool as well as other recreational facilities."

Mr. Yalem has also donated a large sum which will be used, with matching funds, to build the new Family and Children's Service Center of Greater St. Louis.

MAJOR GIFTS

Besides his gift to Jewish Hospital, he has made other major gifts in recent years to Washington University; St. Louis University; Brandeis University; The Jewish Center for the Aged; the Jewish Community Centers Association; the City Art Museum; the Spirit of St. Louis Fund and most recently, to the St. Louis Zoo to establish the Charles H. Yalem Children's Zoo, a two acre, year round project with a nursery for baby animals and a contact area for youngsters.

Many of his contributions have been made in memory of a son, Lt. James H. Yalem, who was killed at age 20 in an airplane accident while in training in World War II. He made another major contribution to Jewish Hospital in memory of his son; the James Henry Yalem Chair in Economics was Established at Brandeis University; the Scientific Computing Center at St. Louis University is named in James' memory; as is the James Henry Yalem Branch of the JCCA.

Pursuant to his interests in medicine, he established a fund at Washington University to support clinical and biochemical research on psychiatric disorders and a prize for the medical school senior who excels in the study of dermatology.

YALEM FOUNDATION

Many of the gifts are donated from the Charles Yalem Foundation. In addition to his many philanthropies, he has been active in civic, religious and cultural activities.

For several years he served as honorary campaign chairman for the Jewish Federation Fund Drive. He is a former treasurer of the Federation and an honorary life member.

At St. Louis University he is a member of the President's Council and the development Council.

As a tribute to his life of dedicated service and philanthropy, Charles H. Yalem received the 1964 Americanism Award from the Missouri Department of the Jewish War Veterans. This award is given annually to the Missourian who has

(Continued on page 3, col. 1)

WATCH
FOR
THIS
SYMBOL



IN MEMORIAM - MILTON FRANK

(Editor's note: The following statement by Joseph F. Ruwitch, president of Jewish Hospital, was made June 4, 1965 in reference to the death of Milton Frank:)

"The death of Milton Frank is not only a personal grief, but his absence will be deeply felt by all of those associated with The Jewish Hospital of St. Louis.

Mr. Frank was one of those rare individuals who accepted the challenge and responsibility of community life with enthusiasm, generosity, and concern.

He gave unselfishly of his time and effort to many St. Louis institutions and was a devoted supporter of the Jewish Community . . . having served in the capacity of Federation president, and as a director of the Jewish Home for Aged and the JCCA.

He was an extremely valuable member of the Jewish Hospital Board of Directors, and we will feel his loss for many years to come."

BOOK DEDICATED TO DR. SOMOGYI



DR. MICHAEL SOMOGYI

A recently published book on biochemistry has been dedicated to Michael Somogyi, Ph.D., biochemist emeritus, at Jewish Hospital.

The book, *Standard Methods of Clinical Chemistry*, was edited on behalf of the American Association of Clinical Chemists by Samuel Meites, biochemist, at the Children's Hospital, Columbus Ohio and assistant professor, department of pediatrics, Ohio State University College of Medicine. It was published by the Academic Press, New York and London.

The following is a biographical sketch of Dr. Somogyi included in the volume:

BIOGRAPHICAL SKETCH

When, in 1926, Michael Somogyi assumed the title of Biochemist at the Jewish Hospital of St. Louis, there was hardly a precedent for this position. A distinct discipline of biochemistry barely existed, in its modern sense, and the "early pioneers" were largely confined to posts at academic institutions. How unique it seems that a chemist, who had graduated in 1905 as a chemical engineer and, in 1941, had written a doctoral dissertation on catalytic hydrogenation, should take up a long and fruitful study (at a hospital) of the metabolism and physiology of carbohydrates, ketone bodies, and insulin, as well as of diabetes. His paper on the analysis of blood sugar and amylase remain classic as well as current for today's clinical chemist. Somogyi's interest in clinical biochemistry, however, is not accidental. After serving an assistantship in biological and pathological chemistry at the University of Budapest, Somogyi spent two years (1906-1908) assisting in the medical school at Cornell University.

While there, he was a colleague of P.A. Shaffer who later invited him to join the staff of the Department of Biochemistry at Washington University, in St. Louis. Meanwhile (1908-1922), Somogyi (Born in Reinerdorf, 1883) had returned to Budapest, and worked for various municipal laboratories, while World War I and the Austrian-Hungarian Empire passed into history. After four years at Washington University (1922-1926), Dr. Somogyi toiled for three decades as the clinical chemist at the Jewish Hospital of St. Louis, before reaching the emeritus status in 1955. His research interests continue unabated. Within recent years Somogyi summarized one aspect of a lifetime of dedicated effort. A series of his articles pin-points the hazards of excess insulin administration to the adult diabetic.

Clinical chemists have honored Somogyi with the Ernst Bischoff Award (1953) and the Donald D. Van Slyke Award (1964). The creative efforts of Michael Somogyi, and the few like him, have supplied the very marrow to the growing science of clinical chemistry.

Dentists Observe Operating Room Technique Here

Sixty dentists watched three oral operations over closed circuit television at Jewish Hospital during the final session of a three-day conference on Hospital Dental Service June 21 - 23.

The conference, sponsored by the American Dental Association, was held for the purpose of discussing dentistry's role in hospital services.

Dr. Calvin H. Weiss, director, department of dentistry, said that of the nation's 7000 hospitals, only one third have dental departments.

"If proper hospital care is to be provided for the chronically ill, hospital medical and dental staffs must work as a team," Dr. Weiss said.

Another feature of the conference was a



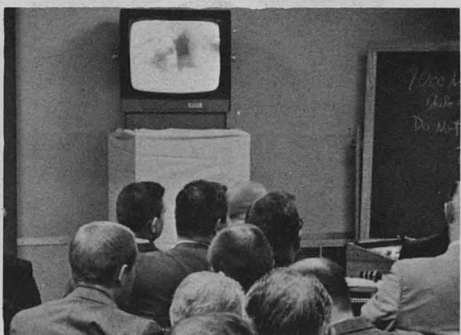
DEMONSTRATING pre-operative procedure to dentists in a hospital operating room are Dr. Israel Giladi (left) and Dr. Jerome Grosby.

demonstration of pre-operative techniques by Dr. Jerome Grosby, senior dentist and coordinator, intern training program, and Dr. Israel Giladi, Fellow in dentistry. The dentists dressed in operating room garb, scrubbed, and observed the draping of a patient.

Dr. Paul L. Friedman, director, division of anesthesiology, gave an illustrated lecture on closed chest cardiac resuscitation and mouth to mouth artificial respiration, after which student nurses demonstrated these techniques on manikins supplied for the purpose.

Topics discussed at the meeting were dental, general, and medical and surgical considerations of the chronically ill, aged and handicapped; the hospital's role in providing dental care for disadvantaged patients; duties and responsibilities of the dentist in applying for the hospital staff; and organization of the dental department, including special equipment.

(See other picture on page 8)



DENTISTS WATCH oral operation over closed circuit television.



AT BANK OF ST. LOUIS the Jewish Hospital Auxiliary doll collection, dressed in uniforms of 28 different hospital personnel, designed by Mrs. Daniel Klaff (left) are displayed here. The dolls represent everyone from chef to doctors involved with the admittance and treatment of every patient entering the hospital. Looking at the dolls are Mrs. Edwin Shifrin, president of the auxiliary, (center) and Mrs. Stanley Cohen, auxiliary chairman of community relations. The dolls were also displayed at Northland Bank, Brentwood Bank, and Tower Grove Bank & Trust.



Mrs. Evelyn Whitlock, R.R.L., director of the medical records department, attended a specialized institute on Automatic Data Processing for Medical Record Librarians at the Catholic Hospital Association Convention in Chicago, June 1-4.

Miss Loretta W. Moore, R.R.L., medical records, served in a booth for the American Association of Medical Record Librarians at the Catholic Hospital Association Convention, June 9.

Miss Nadean Wright, central supply supervisor attended the Annual Meeting of the National Association of Hospital Central Service Personnel in Memphis, May 6 & 7. Miss Wright spoke on Cost Accounting for Central Service at the Catholic Hospital Association Convention.

Robert J. Hickok, director, division of rehabilitation, spoke on Physical Therapy — It's Contribution to Modern Medicine, at the Catholic Hospital Association Convention.

Mrs. Rose Engel, communications, retired May 7 after 12 years of service to the hospital.

Jewish Hospital representatives to attend the National Hospital Association Convention in San Francisco August 30 - September 2 are David A. Gee, executive director; Mrs. Mordecai B. Brown, director of auxiliary services; Mrs. Stanley Cohen, chairman, community relations; and Mrs. Bram Lewin, vice-president in charge of fund raising.

David A. Gee, executive director, will attend a regional conference on "Management Seminar and Preceptor Conference" of the American College of Hospital Administrators in Boulder, Colorado, July 26-30.

Joe Jennings, maintenance plumber, retired June 4 after 39 years of service to the hospital.

Orientation for the new 1965-66 intern and resident staff was held on Wednesday, June 30.

The new house staff doctors were welcomed by David A. Gee, executive director, on arrival at the hospital. Explanations of procedure and quarter assignments were designated, before a tour of the hospital and a luncheon with a liaison committee of staff members.

Dr. Sale Dies, Former Hospital Chief of Staff

Private funeral services were held for Dr. Llewelyn Sale Sr., former chief of staff at Jewish Hospital, who died at the hospital Tuesday, July 6, 1965, after a long illness.

He was 83 and lived at 40 North Kingshighway before entering the hospital several months ago.

HONORED IN 1951

Dr. Sale, associate professor emeritus of clinical medicine at Washington University medical school, was honored at a testimonial dinner on his birthday in 1951 for his community services and as a physician whose work brought honor to his profession and to the city.

He was a former president of the St. Louis Medical Society, the St. Louis Diabetes Association, the Social Planning Council, the Community Council and the Missouri Social Hygiene Association. He was for many years a member of the annual St. Louis Award committee.

SURVIVORS

A widower, Dr. Sale is survived by his son, Dr. Llewelyn Sale Jr., assistant professor of clinical medicine at Washington University medical school and director of health services at the university; a brother, Frank Sale, Los Angeles, and three sisters, Mrs. Edward Block and Mrs. Wilton Rubenstein of St. Louis and Mrs. Ralph Schwarz of New Orleans.

Mrs. Sale, the former Elsie Seasongood, died in 1962. Dr. Sale retired in 1961.

AUXILIARY SELLS GREETING CARDS

The Jewish Hospital Auxiliary is selling holiday greeting cards. The attractive cards are white and green with a snowflake motif.

Mrs. Samuel Stern, chairman of the greeting card project announced that the minimum donation will be as follows:

\$20 per 100
\$10 per 50
\$ 5 per 25

The cards can be personalized at the cost of 1c each, plus a 50c set-up charge.

On each card will be printed, "The purchase of this card represents a donation to the Research Institute of the Jewish Hospital of St. Louis."

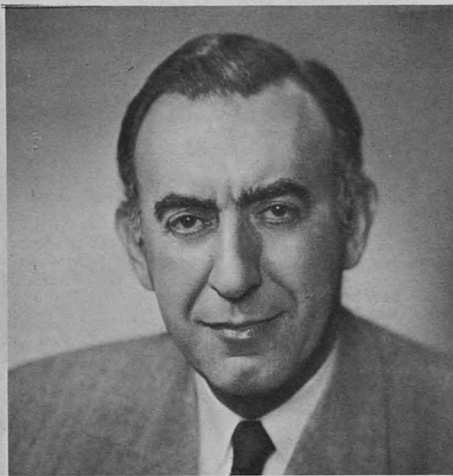
Orders will be taken by Mrs. Samuel Stern, 701 Glenridge, VO 3-1574, and vice-chairman, Mrs. Burton Librach, 804 So. Central, PA 1-1181. Orders can also be made through the auxiliary office at the hospital, FO 7-8080, ext. 264.

Dr. Middleman To Chair Athletic Injury Conference

This August, Dr. Isadore Carl Middleman, Jewish Hospital surgeon, will serve as chairman of the St. Louis Medical Society "Athletic Injury Conference" for the fifth consecutive year.

This meeting draws a large attendance of physicians interested in athletic injuries, athletic directors, coaches and trainers of high schools and colleges throughout Missouri and Southern Illinois.

When Dr. Middleman received his M.D. degree from St. Louis University in 1933, he could not possibly have foreseen the full, diversified life he would lead in the medical profession.



DR. I. C. MIDDLEMAN

He served his internship (1933-1934) and surgical residency (1934-37) at Jewish Hospital. Aside from being a member of the hospital medical staff, he serves on the staffs of St. John's Mercy Hospital, and the St. Louis University Group Hospitals.

He is a Diplomat of the American Board of Surgery, a fellow of the American College of Sports Medicine, and an assistant professor of clinical surgery at St. Louis University.

After several years in private practice, Dr. Middleman entered military service, where he was chief of the surgical service at Ft. Hamilton and the New York port of embarkation. Subsequently he became the commanding officer of the 37th portable surgical hospital which served on Guadalcanal.

Many people have asked Dr. Middleman how he became affiliated with baseball as an avocation.

THE YALEM STORY

(Continued from page 1)

rendered outstanding service to the community and who best exemplifies the American ideal.

In addition to their son, Richard L., Charles and Florence Yalem have a daughter, Carolyn Jane (Mrs. Joseph Kutten).

Richard follows in his father's footsteps as a member of the Aetna Finance Company, a board member of Jewish Hospital, and as a philanthropist. He and his wife recently donated \$125,000 to Washington University for new Hillel House quarters.

The contributions and service of Charles Yalem and his family have indeed "made the world a better place." In particular, the Jewish Hospital of St. Louis will be able to accelerate and expand the medical and surgical research program due to their foresight and generosity.



RICHARD L. YALEM

In 1950 he operated on Marty Marion, then player manager for the St. Louis Cardinals. Marion invited Dr. Middleman to join the team in St. Petersburg, Florida for spring training and to help with conditioning and examining of players. As a self-confessed "frustrated athlete," he accepted this invitation which proved to be the beginning of an association with the ball club that has continued for the past 15 years.

He succeeded the late Dr. Robert Hyland in this position. Dr. Hyland was well known as the pioneer "surgeon general of baseball."

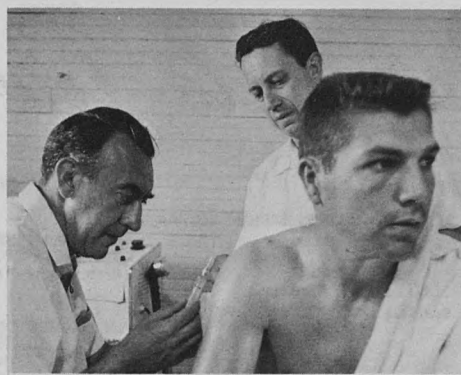
As a staff member of Jewish Hospital, Dr. Middleman noted that the hospital has been extremely helpful in assisting him in caring for the athletes, especially in the physio-therapy and x-ray departments.

"Bob Hickok has done a superb job in rehabilitation of many professional and amateur athletes, and Dr. Senturia's help has been invaluable," he remarked.

One of the fringe benefits of this baseball connection, in addition to a trip to Florida each year for spring training, was a State Department sponsored good will tour to the Orient, for the St. Louis Cardinals. Dr. and Mrs. Middleman traveled to Honolulu, the Philippines, Midway, Guam, Okinawa, Japan, and Korea. He toured hospitals in 16 cities, observing surgical techniques in Tokyo, Sapporo, Sendai, and Hiroshima, among others.

Another outstanding feature of the trip was a tour of the Hiroshima Red Cross Hospital with the director, Dr. Fumio Shigeto, who actually witnessed the 1945 holocaust on the outskirts of the city. Dr. Middleman saw many patients still hospitalized with radiation keloids, orthopedic problems, and leukemic cases.

In 1963 Dr. Middleman was invited to



THE TEAM CAPTAIN GETS A CHECK UP. Dr. Middleman with Ken Boyer, captain of the World Champion Cardinals, and last year's most valuable player in the National League.

address a special symposium on athletic injuries related to another sport, in another country — soccer — at the University of Madrid. He spoke on "Internal Derangements of the Knee."

He has written several papers on general surgical and athletic injury topics, many of which have been presented by invitation before various medical societies, hospitals and meetings throughout the country.

Thus Dr. Middleman leads a most interesting life as a general surgeon in private practice and as a surgeon for the St. Louis Cardinals. He is also the surgeon for the St. Louis University athletic teams.

In the course of his many years with the Cardinals, Dr. Middleman says his most exciting experience was when the ball club won the National League Pennant and the World Series in 1964. "It was the culmination of many years of effort," said the doctor glowingly, "and having been a part of it in a small way was most gratifying to me."

Plans for this year's athletic injuries conference have just been announced. The conference will be held August 25th starting at 3 P.M. at the St. Louis Medical Society. The program will consist of a panel of doctors with various specialties, trainers, and coaches. It will be moderated by Dr. Middleman.



IN ATTENDANCE at last year's athletic injury conference are (standing from left) Stan Musial, presidential consultant on physical fitness; Dr. Middleman; Dr. Dan Burst, Jewish Hospital neurosurgeon; Dr. Charles Nielson, dermatologist; and Dr. Stan London, Jewish Hospital surgeon and surgeon for the St. Louis Hawks. Seated are Dan Devine, University of Missouri football coach; John Bennington, former athletic director of St. Louis University; Harry Gallatin, former coach of the St. Louis Hawks; and John Keane, former manager of the St. Louis Cardinals.

DR. LAMONT GASTON JOINS STAFF

Dr. Stanford Wessler, physician-in-chief, has announced that Dr. Lamont W. Gaston joined the hospital department of medicine full-time staff on June 23.

Dr. Gaston heads the coagulation unit of the vascular section and will collaborate with Dr. Wessler in several studies of thrombogenesis, particularly as they relate to the manner in which lipids facilitate protein-protein interactions, the synthesis of certain clotting factors by liver ribosomes and the shape, size, and amino acid sequence of purified coagulation proteins.

Currently the recipient of an NIH Career Development Award, Dr. Gaston has also received an appointment as assistant professor of medicine at Washington University School of Medicine.

A native of Sterling, Kansas, Dr. Gaston graduated from the University of Kansas in 1949, where he was elected to Phi Beta Kappa in his junior year. Three years later he graduated first in his class from the University of Kansas Medical School. He

was also elected to Alpha Omega Alpha in his junior year.

Dr. Gaston served his internship and two and a half years of resident training at the Massachusetts General Hospital in Boston from 1953-1956. He then served for 18 months as a clinical trainee at the University Hospital in Ann Arbor, Michigan.

He returned to the Massachusetts General Hospital for two years as a post-doctoral Fellow of the National Science Foundation in the field of coagulation. This was followed by two years in the enzyme section of the National Heart Institute, where Dr. Gaston worked in enzymology and protein and lipid fractionation under the direction of Dr. Earl Stadtman. Dr. Gaston had a dual appointment as an assistant professor in the departments of medicine and pathology at the University of Washington in Seattle.

He is married and the father of two children.

Long Term Care In Medical Education Emphasized by Doctors

The need for medical schools to shift their emphasis to the increasingly important field of long term care prompted the Symposium for Medical Educators on Long Term Care and Preventive Medicine held at Jewish Hospital, June 10 and 11.

The two day symposium was sponsored jointly by Jewish Hospital and the Washington University School of Medicine, Department of Preventive Medicine. "The dominance of biological research in medical schools is blinding future physicians to the real medical care needs of the people," John L. Caughey, associate dean at Western Reserve University School of Medicine, pointed out.

The 75 participants in the meeting were encouraged by Dr. Caughey to "think of themselves as a pressure group pounding on medical school doors, demanding curriculum changes urgently needed to face tomorrow's medical crisis."

Dr. Franz U. Steinberg, director, department of long term care at Jewish Hospital, discussed the teaching role of a chronic care program in a general hospital. He described the evolving program at Jewish Hospital, which the other participants viewed as a developmental model.

Combining the chronic disease division of the hospital and the division of physical rehabilitation into the single department of long term care, "is logical, since most chronically ill patients require some rehabilitative services, and since many of the rehabilitation patients require good medical care first of all," Dr. Steinberg explained.

He continued, saying that "a department of long term care, which is an integral part of a general hospital, especially in a teaching situation such as at Jewish Hospital, must limit itself to chronic patients; those who are medically treatable, and who can be expected to respond to rehabilitative care. It should neither be a reservoir to catch the overflow from acute divisions, nor should it be a unit for custodial nursing home care."

In the same vein, Dr. Michael Dasco, director of physical medicine and rehabilitation at Goldwater Memorial Hospital, New York University School of Medicine, said that a survey has revealed that between 20 and 50% of the patients in New York City general hospitals were no longer in need of hospital care and could not benefit from such care.

Jewish Hospital's home care program was discussed by Dr. Steinberg as "an added dimension to the management of the chronic patient."

Ten major issues evolved from the symposium:

1. Participants agreed that medical schools are producing research oriented scientists at the sacrifice of production of practicing clinicians.
2. Allocation of research monies to the basic biological sciences contrasts sharply to the need for basic research in chronic disease programming.
3. There is a decided under-utilization of teaching hospitals for the training of physicians and para-medical personnel in long

(Continued on page 8, col. 4)



THE JEWISH HOSPITAL golf team won the first place trophy in the doctor's tournament for the fourth time this year, in competition with 17 teams from other hospitals. Those on the team were (from left) Dr. Marvin Levin, Dr. Samuel J. Freund, Dr. Sam Schneider, and Dr. Alan Skirball. Not pictured is Dr. L. J. Weidershine.

Contributions to Jewish Hospital Funds

BEQUESTS

"... and their name shall live forever".

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CLOTTING DISCUSSED AS IMPORTANT CAUSE OF DISABILITY AND DEATH

(The following story is the first in a two part series which was written expressly for "216" by Dr. Stanford Wessler, physician-in-chief, Jewish Hospital, and professor of medicine, Washington University School of Medicine, concerning his research in thrombotic disease).

Q: Dr. Wessler, what is the importance of your study?

A: Clotting, or thrombotic disease, is becoming an increasingly important cause of disability and death as infectious diseases respond to antibiotic therapy, as advances in operative techniques permit more extensive surgery, and as public health measures, designed to control or eliminate noxious environmental factors become increasingly effective. This relative increase in thromboembolic phenomena is, in part, related to an increased awareness of the ubiquity of thrombosis. It is further compounded, however, by the possibility that we are also experiencing an absolute as well as a relative increase in thrombotic disease. It can be stated categorically that thrombotic phenomena have captured first place in all mortality lists prepared by National Health Agencies in the nation today. In its various forms thrombosis represents the number one health hazard to the American public.

Q: How is thrombotic disease a threat?

A: On the arterial side of the circulation thromboembolic episodes cause or aggravate initial and recurrent episodes of coronary thrombosis, major and minor strokes, disease of the heart valves, irregularities of cardiac rhythm, congestive heart failure, shock from any cause, and gangrene of the extremities.

The threat of venous thromboembolism is also great. Aside from aggravating various forms of heart disease and cancer (in which it may be the penultimate mechanism of death), phlebitis (clotting in the veins) may unfavorably alter the course of a normal pregnancy, an otherwise successful surgical procedure, the management of bodily trauma, and prolonged immobilization from any cause. Finally, recurrent attacks of deep venous thrombosis (phlebitis) and pulmonary embolism (movement of vein clots to the lung) in otherwise healthy young people are not rare. Repeated bouts may develop, and, though usually benign, may unexpectedly terminate in sudden death or result in chronic pulmonary or severe peripheral venous insufficiency.

Q: What causes the various forms of clotting?

A: The cause of these episodes of throm-

bosis is unknown. Whether they are in part attributed to certain drugs, to the relative immobilization, or to the high caloric or high fat content of the diet of an affluent society is not known. Several studies are attempting to establish etiologic roles for these various factors in thrombogenesis.



DR. STANFORD WESSLER

Q: Is there any way to detect this disease in man?

A: There exists, at present, no satisfactory technique for the recognition of the incipient or active thrombotic state in man. Knowledge of the incidence of thromboembolism is based essentially on extensive statistical analyses of large groups of patients. The deficiencies of this approach are related, in large measure, to a dependence on inadequate criteria for clinical diagnosis and classification of thromboembolic phenomena. In this respect, the situation is analogous to the problem that would be posed in the clinical recognition and management of various anemias without laboratory techniques to measure the hemoglobin, hematocrit, and the red blood cells themselves.

Q: Who first recognized the principles of thrombosis?

A: More than 100 years ago, the eminent German pathologist, Virchow, crystallized the general principles of thrombosis, documented the concept of embolization and enunciated the hypothesis that is today referred to as Virchow's triad: namely, that retarded blood flow (stasis), alterations in coagulability of the blood, and local trauma and inflammation are the causative factors in intravascular coagulation.

Q: What knowledge has research uncovered?

A: In the past two decades, research in the area of thrombosis has acquired a re-

markable acceleration. Part of this acceleration is due to the newer knowledge gained from unravelling of the hemorrhagic states, part from the development of potent anticoagulant and clot dissolving (lytic) agents, and part from the concurrent availability of sensitive clotting assays. As enormous knowledge of the clotting mechanism and of the effects of its failure has been acquired but for every patient who dies as a result of deficient coagulation, there are thousands who die of thrombosis. Here we have the strange situation that a vast effort has been expended in our understanding and treatment of hemorrhage and an equally enormous output has gone into the development of anticoagulant and thrombolytic therapy for the management and treatment of clotting phenomena. Yet, of its cause, practically nothing is known.

Q: What problems have been encountered in research?

A: A century ago the field of blood coagulation was cultivated in close relationship to the problems of thrombosis and hemostasis. At that time observations and experiments on thrombosis and coagulation were being performed by investigators who wanted to learn answers to their practical clinical problems and also to problems of general biology. With the advent of specialized techniques this once homogeneous field has become fragmented. Cardiologists, neurologists, hematologists, coagulationists, pathologists, physiologists, biochemists, and most recently biophysicists have attacked, in relative isolation, aspects of the problem appropriate to their special skills. Whereas the clinical investigator has been hampered by the difficulties in diagnosis, the basic scientist has been stalled by the complexities of the living organism and has tended to work with model systems with a minimum of unknown variables.

Q: What is the relation of thrombosis to atherosclerosis?

A: The prime, though not exclusive, phenomenon in atherosclerosis that appears to endow the lesion with clinical significance is one of its complications - thrombosis. If this tendency to thrombosis could be controlled, there is reasonable evidence that atherosclerosis would have a far less serious effect on the normal life span than is presently the case.

If one accepts this premise, one is immediately engaged by a number of propositions. Can a thrombus initiate the atherosclerosis lesion? Is arterial thrombosis invariably a consequence of hemorrhage within the arterial wall

and subsequent endothelial injury, and therefore a purely local phenomenon? Or is there some abnormality in the circulating blood of the atherosclerotic individual (possibly related to some facet of lipid metabolism) that predisposes to thrombosis? The areas of clinical medicine, pathology and biochemistry have not, as yet, provided definitive answers to these questions, although some progress has been made in regard to the molecular basis of blood coagulation.

(In the next "216", Dr. Wessler will discuss the two kinds of clotting and the goals of the research now being conducted at Jewish Hospital).

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Donald Sauer, M.D., 868 Oakbrook, St. Louis, Missouri 63132, Private.

Baikunth Singh, M.D., Dept. of Cardiology, University of Missouri, Medical Center, Columbia, Mo., Dept. of Cardiology, University of Missouri Medical Center, Columbia, Mo.

Ivan K. Strausz, M.D., c/o Hirschler, 141 Bishop's Mansions Stevenage Rd., London S.W. 6, England.

Wesley Walker, M.D., 8527 Elsa Ave., St. Louis, Mo. 63123, Barnes Hospital.

Ronald Wilbois, M.D., c/o Mr. A. Rischick, 1138 Edward Terrace, St. Louis, Missouri, Brook Army Med. Center, San Antonio, Texas.

Jorge Bernal, M.D., 6229 Southwood, St. Louis, Missouri, St. Louis City Hospital.

DANFORTH APPOINTED

Dr. William H. Danforth has been appointed vice chancellor for medical affairs at Washington University, it was announced recently by Chancellor Thomas H. Eliot. The appointment became effective July 1.

Dr. Danforth succeeds Dr. Carl V. Moore, who will continue to serve as head of the University's Department of Medicine.

Dr. Danforth, 38, a graduate of Princeton University and Harvard Medical School, is associate professor of medicine, and has been a member of the staff of the medical school since 1954. He specializes in diseases of the heart and has published extensively on myocardial metabolism.

President of the Danforth Foundation, Dr. Danforth is also president of the St. Louis Christmas Carols' Association and a member of the board of trustees of the American Youth Foundation.

Dr. Moore, in addition to continuing as head of the Department of Medicine, will continue to serve as president of Washington University Medical School and Associated Hospitals, the coordinating body which includes, the University's five hospitals, and Jewish, Barnard, Barnes, and St. Louis Children's Hospital.

GOLDSTEIN RECIPIENT OF FIVE-YEAR GRANT FOR HEARING RESEARCH

The National Institute of Neurological Disease and Blindness has honored Robert Goldstein Ph.D., director of the division of audiology and speech pathology, Jewish Hospital, by awarding him a Research Development Award.

The purpose of this award is to increase the number of full-time career opportunities for scientists of superior potential and capability in sciences related to health. The award will pay Dr. Goldstein's full salary for five years, allowing him to pursue his research interests.

Dr. Goldstein is concentrating in three major research areas. They are: 1) factors which influence or contribute to differences in auditory responsivity in normal hearing persons; 2) the role of the central nervous system in audition; and 3) the use of electrophysiologic responses in the diagnoses of communications disorders.

Dr. Goldstein will continue these research activities in the department of otolaryngology at Jewish Hospital.

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NEW 1965-'66 RESIDENTS

CHIEF RESIDENT IN MEDICINE

Samuel D. Spivack, M.D., a native of St. Louis, will be chief resident in medicine. He received his A.B. and his M.D. from Washington University (1962), receiving undergraduate honors in his sophomore and senior years. Dr. Spivack interned at Duke Hospital in Durham, North Carolina (1962-63) and served two residencies;



DR. SPIVACK

one was at Duke University (1964), the other, at Barnes Hospital (1964-65). He also did research at both hospitals. Dr. Spivack plans to spend part time in private practice of hematology in St. Louis with university affiliation and part time clinical investigation in hematology.



DR. BOONSHAFT

Benje Boonshaft, M.D., is a third year resident and a native of St. Louis. He received from Washington University his A.B. degree in 1957 and his M.D. in 1961. He served an externship (1960-61), internship (1961-62) and residency in internal medicine (1962-63) at Jewish Hospital. His articles on "Autoimmune Disease and Thyroid Autoantibodies" was published in the March, 1964 edition of *Missouri Medicine*. Dr. Boonshaft is married and plans "to practice internal medicine and/or a possible subspecialty in Endocrinology and . . . to spend time in teaching house-staff."

A native of Baltimore, Maryland, **Barry M. Cohen, M.D.**, is a first year resident in medicine. He received his A.B. from Duke University in 1960 and his M.D. from the University of Maryland Medical School in 1964 where he was a member of the honor council, editor-in-chief of the year book, and member of the interprofessional student union board. Dr. Cohen has served externships in pathology and medicine at Sinai of Baltimore in the summers of 1962 and 1963 respectively. A third externship



DR. COHEN

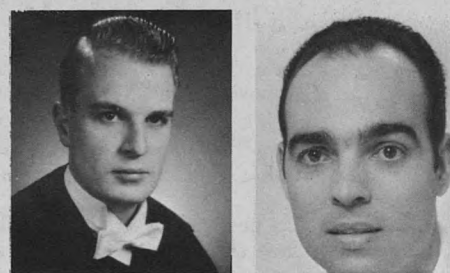
in medicine was spent at St. Agnes of Baltimore (1962-63). He also served an internship in straight medicine at Sinai of Baltimore. Dr. Cohen is single and plans to have a private practice in internal medicine, or perhaps endocrinology.

John T. Cullen, M.D., from London, Ontario, is a second year resident in psychiatry. He was awarded his B.A. in 1959 by the University of Western Ontario, and received his M.D. from the University of Ontario Medical School in 1963. Organizations of which he is a member include the Canadian Medical Association, the Ontario Medical Association, the College of Physicians and Surgeons of Ontario, and the AKK Fraternity. Dr. Cullen served an externship at St. Thomas Elgin General Hospital during the summers of 1961 and 1962 and served an internship at St. Joseph's Hospital in London, Ontario in 1963. He was a resident at Renard and Malcolm Bliss Hospital (1964-65) and has done research at Collip Labs in his home town during the summers of 1959 and 1960. Dr. Cullen is married to a nurse and expects to practice psychology in three or four years.



DR. CULLEN

Demetrio Rafael Dutari Estevez, M.D., is a Fellow in geriatric medicine. A native of Aguadulce, Panama, he received his B.S. from Tulane University and his M.D. at the Universidad de Panama. He interned at the Hospital Santo Tomas (1958-59), and the Hospital Marcos Robles (1959-60). His first residency was spent in general medicine in Aguadulce, he also served at the Hospital General del Seguro Social (1962-65) in the field of internal medicine. He is married and plans to enter internal medicine in the Republic of Panama.



DR. DUTARI

Nau, Hawaii is the birthplace of **Nabuko Kuhn, M.D.**, a second year resident in medicine. After she received her B.A. from the University of Hawaii in 1955, where she graduated with honors in chemistry, Dr. Kuhn attended Washington University Medical School where she was awarded her M.D. in 1959. She served both an internship (1959-60) and a residency (1960-61) at Barnes Hospital. Dr. Kuhn

was also a Fellow in Medicine in the field of infectious diseases and has written two papers on microscopy. Dr. Kuhn is married and plans to practice public health medicine.



DR. KUHN



DR. LEVY

Morton A. Levy, M.D., is married, a native of St. Louis, and a second year resident in medicine. He received his B.A. from U.C.L.A. and his M.D. from Washington University. Dr. Levy externed (1960-61), interned (1961-62), and served a residency (1962-63) at Jewish Hospital. He was a research Fellow in epidemiology at the Harvard University School of Public Health and also an assistant in Medicine at Peter Bent Brigham Hospital. Dr. Levy plans to specialize in hematology and/or either part or full time academic association.

Mohammad Ghazi, M.D., a native of Tehran, Iran, was awarded his M.D. at Tehran University Medical School in 1963. He served a rotating internship at the medical school hospital in Tehran and another internship at Mercy Hospital in Des Moines, Iowa (1961-63). He also spent a year as a resident at Firoozabadi Hospital in Tehran (1963-64). Dr. Mohammad-Ghazi is a first year resident in Obstetrics and Gynecology.



DR. GHAZI

Gerald E. Murdock, M.D., a native of Buffalo Wyoming, is a first year resident in surgery. He received both his B.S. in zoology and his M.D. (1962) from Washington University, where he was a member of Phi Beta Kappa. Dr. Murdock was a rotating intern (1962-63) and a resident in surgery (July - September, 1963) at Jewish Hospital. He is married and has recently returned from Fort Campbell, where he was a captain.



DR. MURDOCK



DR. SHACKNEY

A native of Wakefield, Massachusetts, **Stanley E. Shackney, M.D.**, is a first year resident in medicine. He received his B.A. from Harvard in 1960, where he graduated cum laude and his M.D. from Harvard Medical School in 1964. Dr. Shackney interned at Cincinnati General Hospital (1964-65) and worked on research projects at Harvard Medical School; at Hebrew University, Hadassah Medical School, Jerusalem, Israel; and at Beth Israel Hospital in Boston. Married and the author of three published papers, he plans to enter internal medicine and would like to work in an academic setting.

Dr. Soon Hi Song, a native of Seoul, Korea, is married and is a first year resident in Obstetrics and Gynecology. Her premedical schooling was done at Soo Do Premedical College in 1958 and she received her M.D. from Soo Do Medical College in Seoul (1962). Dr. Song interned (1962-63) at Severance Hospital in Seoul, Korea, and also at Lutheran Hospital in St. Louis (1964).



DR. SONG



DR. WALLAS

New York is the birthplace of **Charles H. Wallas, M.D.**, a first year resident in medicine. He received his A.B. from Amherst College (1960) and his M.D. from Washington University (1964). Dr. Wallas has externed summers (1963-64) at Jewish Hospital and has interned at Boston City Hospital (1964-65). He has spent one year residency in medical school and has been awarded the Borden Undergraduate Residence Award (1964) and the Bronfenbrenner Memorial Award (1964). Dr. Wallas is married and plans to practice internal medicine in St. Louis.



DR. WHITACRE



DR. WEILAND

A native of Saint Paul, Minnesota, **John Clifford Whitacre II, M.D.**, is a second year resident in psychiatry. He received both his B.A. (1948) and his M.D. (1954) from the University of Minnesota. Dr. Whitacre has spent one year as a rotating intern at Ashbury Methodist Hospital in Minneapolis. He served his first years of residency at Central State Griffin Memorial Hospital in Norman, Oklahoma. Dr. Whitacre is single and plans to have a private analytically-oriented practice with continuing studies and writing in science and philosophy.

A native of East St. Louis, **Charles G. Wieland, M.D.**, is a second year resident in radiology. He received his B.S. (1956) and his M.D. (1961) from St. Louis University. He was a Fellow in microbiology (1958-59), externed at St. John's Hospital (1958), interned (1961-62) and served a residency (1962-63) at Jewish Hospital. Dr. Wieland, married, has been stationed at Wurtsmith Air Force Base in Oscooda, Michigan, and plans to enter into the field of radiology.

DENTAL INTERN

Martin J. Nigrelle, D.D.S., of San Antonio, Texas, is the new dental intern. He was awarded his B.S. at St. Edward's University and his D.D.S. at the St. Louis University Dental School. Dr. Nigrelle also served a Fellowship in Pharmacology at the St. Louis University School of Medicine in 1964.



DR. NIGRELLE

Medical Staff

Dr. Jacob G. Probst, senior surgeon, spoke at a special program of the St. Louis Medical Society honoring the late Dr. Evarts A. Graham, internationally famous surgeon, on Tuesday, May 25.

Dr. Samuel D. Soule has been advanced to the rank of full professor of clinical obstetrics and gynecology at Washington University.

A review by **Dr. Franz U. Steinberg**, director, department of long term care, of Homburger and Bonner's, *Medical Care and Rehabilitation of the Aged and Chronically Ill*, appeared in the June 1965 issue of "Rehabilitation Literature". Dr. Steinberg, while commending the authors for dealing well with the complications of various chronic diseases, criticizes the weakness of the book in the areas of patient evaluation and program planning.

Dr. Melvin Rubenstein, associate attending physician in the division of adult psychiatry, presented a paper at the last staff meeting of the division of the academic year on June 7. The paper was entitled "Martin Buber: An Introduction and Some Psychiatric Contributions."

Dr. Richard Katz is in Zurich, Switzerland at the Brain Research Institute of the University of Zurich to complete the work he started in collaboration with Professor Konrad Akert. He will also attend the International Congress of Neurosurgeons in August in Copenhagen.

Dr. Franz U. Steinberg, director, department of long term care, delivered a speech entitled "Medical Characteristics of the Chronically Ill, Aged, and Handicapped" at the Regional Conference of Hospital Dental Services, June 22, 1965.

He also spoke at the Catholic Hospital Convention, June 9 on "The Contribution of Rehabilitation to Community Health."

A monogram on "Blood Volume: Methodology and Applications" has been published, which was written by **Kenneth Serkes, M.D.**, **Stanley Lang, Ph.D.**, and **Morton D. Pareira, M.D.**

New Resident In Administration

"The thing that impresses me most about Jewish Hospital is the enthusiasm of the employees," Mable P. Howell commented shortly after joining the Jewish Hospital staff on June 1 as administrative resident.

Mrs. Howell has recently completed a year at Washington University as graduate student in hospital administration. After a year of residency, she will be awarded a degree of Master of Hospital Administration by the University.



MRS. HOWELL

Mrs. Howell attended Southern Illinois University in Carbondale for her under-graduate work, and she served as chief accountant for seven years after her graduation.

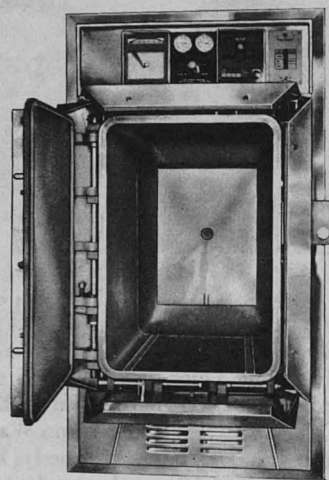
For two years at Webster College in Webster Groves, Mrs. Howell taught several courses in accounting and business.

She became interested in hospital administration during her 12 years on the staff of St. Louis State Hospital, where she began as chief accountant and achieved the position of assistant business manager.

During her residency at Jewish Hospital, she will be under direction of David A. Gee, executive director and James O. Hepner Ph.D., associate director, who are her co-preceptors — they will assign and supervise her responsibilities.

EQUIPMENT NEEDED

("216" is resuming the practice of featuring various pieces of equipment each month which are needed by the hospital to maintain high standards of patient care.)



AUTOClave

To meet the needs of the ever increasing demand for sterile supplies in the hospital, a new high vacuum autoclave must be purchased.

This sterilizer will double the capacity of central supply to produce sterile items for the operating and delivery rooms.

\$13,500 is needed to purchase and install the unit and a loading cart.

A gift may be set up as a memorial donation. Further information can be obtained by calling Max Appel, FOrest 7-8080, ext. 398.



CLOSED CHEST RESUSCITATION is demonstrated on "Resusci-Anne" by Jewish Hospital student nurses, Judy Musgrave (left) and Patricia Knopf, for dentists attending a recent conference on hospital dental services. Interested observers are Bernard Clug, D.D.S., chairman of the American Dental Association's council on hospital dental service, and Joseph E. Feldman, D.D.S.

"Resusci-Anne" Teaches Life Saving Techniques

A brand new "Resusci-Anne" has arrived at the Jewish Hospital School of Nursing. Anne is a manikin for the demonstration and practice of closed chest cardiac resuscitation and mouth to mouth respiration.

Because of a new ruling at the hospital that closed chest cardiac resuscitation is an emergency measure and therefore may be initiated by a nurse before the physician arrives, all student nurses and nursing staff members will receive instructions in these techniques.

Dr. Paul L. Friedman, director, department of anesthesiology, is in charge of instructing personnel. He is aided by members of his department.

Smith, Kline and French Laboratories, Philadelphia, supplied free educational materials, illustrated wall charts, and films to the School of Nursing, as well as the loan of "Resusci-Anne".

The theory of closed chest resuscitation, why it works, and when it should be used was explained to the student nurses in a lecture given by Dr. Friedman who also used illustrative films.

Classes of ten then met with Dr. Friedman for two one-hour periods. During the first hour, the techniques were demonstrated and practiced. The students then reciprocated the demonstration for Dr. Friedman in the second session.

These classes will be offered yearly.

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SYMPOSIUM

(Continued from page 3)

term care, in relation to the growing community need.

4. There is a need for legislative action to provide funds as incentives for expanding physician education in chronic disease care, both at the undergraduate and post-graduate levels.

5. The increased effective demand for services for the aged, chronically ill via Medicare legislation will not guarantee the receipt of high quality comprehensive care for this group. Therefore monies may be inefficiently and ineffectually spent unless quality controls are assumed by the medical profession.

6. General hospitals and teaching institutions need to reorganize services in terms of chronic care.

7. High quality care for the growing proportion of the chronically ill, who could benefit from comprehensive rehabilitation will not be significantly less expensive than care for the acutely ill.

8. There is a need to train new professional components for high quality care of the chronically ill. Team training with the physician as medical coordinator is required.

9. The report of the president's commission on stroke, heart disease and cancer again places emphasis on the need for research in basic sciences. There is a fear among experts that the research in optimum medical care programming for these chronic diseases will again take a back seat.

10. The doctors felt that a similar meeting next year would be in order.

The symposium was financed by a Community Health Services Grant from the Bureau of State Services, United States Public Health Service to the Training Center for Home Care and other out of hospital services.

David A. Gee, executive director
Barbara Janes, director public relations
Susan Cohn, editor
Rachel Soffer, volunteer staff writer

Teens on Tap for Tours

Teens on Tap for Tours is a new program at The Jewish Hospital of St. Louis, which consists of a corps of twelve trained candy stripe volunteers who are available every week day afternoon to conduct local and out-of-town visitors through the medical center.

Miss Robin Kopolow serves as captain of the group, which will be "on tap" at the hospital throughout the remainder of the summer, July 6 - August 31.

Tours, which are scheduled at 1 p.m. and 2 p.m. each afternoon, leave from the first floor information desk at the Kingshighway entrance.

The tour project is part of the extensive teenage volunteer program at the hospital. Candy strippers, 15 years and over, help in virtually every area of the hospital, seven days a week during the summer months and weekends and holidays throughout the school year. There are approximately 140 boys and girls volunteering their services.

These teenagers pledge a minimum of six hours a week, fifty hours a summer, of

their services. Their major function is to offer extra services and courtesies to Jewish Hospital patients and visitors, by assisting hospital personnel.

Each applicant is personally interviewed by Mrs. Mordecai B. Brown, director of volunteers, and is required to attend an orientation session. During the 1965 orientation, a skit, "The World of Suzy Wrong," was presented to describe hospital procedure, etiquette, and ethics to the young people.

Girls wear red and white candy striped pinafores with white blouses. Tour guides can be distinguished by a carnation attached to their name badge. The boys wear dark slacks and a white jacket with candy striped collar and cuffs. This uniform was designed for the boys by the Jewish Hospital Auxiliary.

Plans are in progress for other programs which will involve the candy strippers.

An awards meeting at the end of the summer is also being organized to honor the teenagers for their many hours of work.



MEMBERS of the candy stripe tour guides are (seated from left) Kathy Berger, Cindy Kurtz, Karen Mayfield, Nancy Vogt, and (standing) Jan Stein, Elain Silvermintz, Robin Kopolow, captain, Marilyn Heligman, Judy Wilensky, and Marsha Solomon.

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